

Safety & Health Managers Meeting

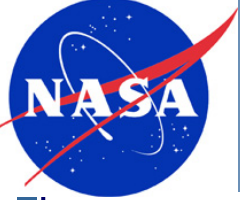
NASA Safety and Health Managers Meeting

February 27 – March 1, 2007

Dryden Flight Research Center
Safety and Health Update

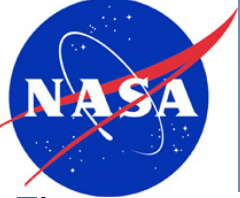
Dan Mullen

Chief - Safety, Health, and Environmental Office



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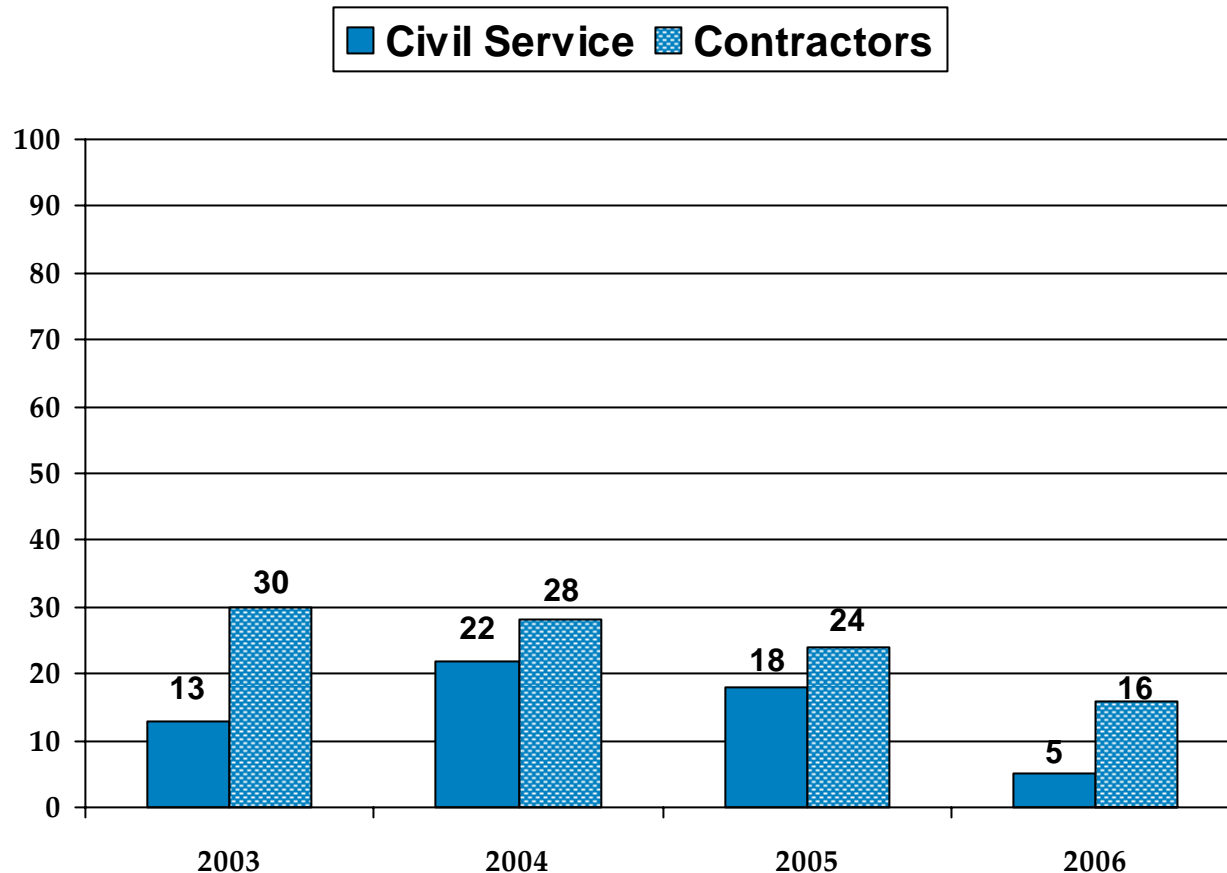
Safety Update Fiscal Year 2006 Highlights

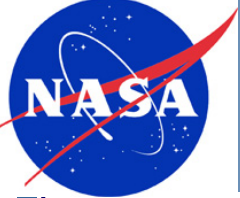


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Total Number Workplace Injuries for Civil Service & Contractors (First Aid, OSHA Recordable) Fiscal Years 2003 – 2006

First Aid: Minor Injuries **OSHA:** Doctor Treatment Required (Lost Time = Full Work Day Missed Beyond Injury Date)



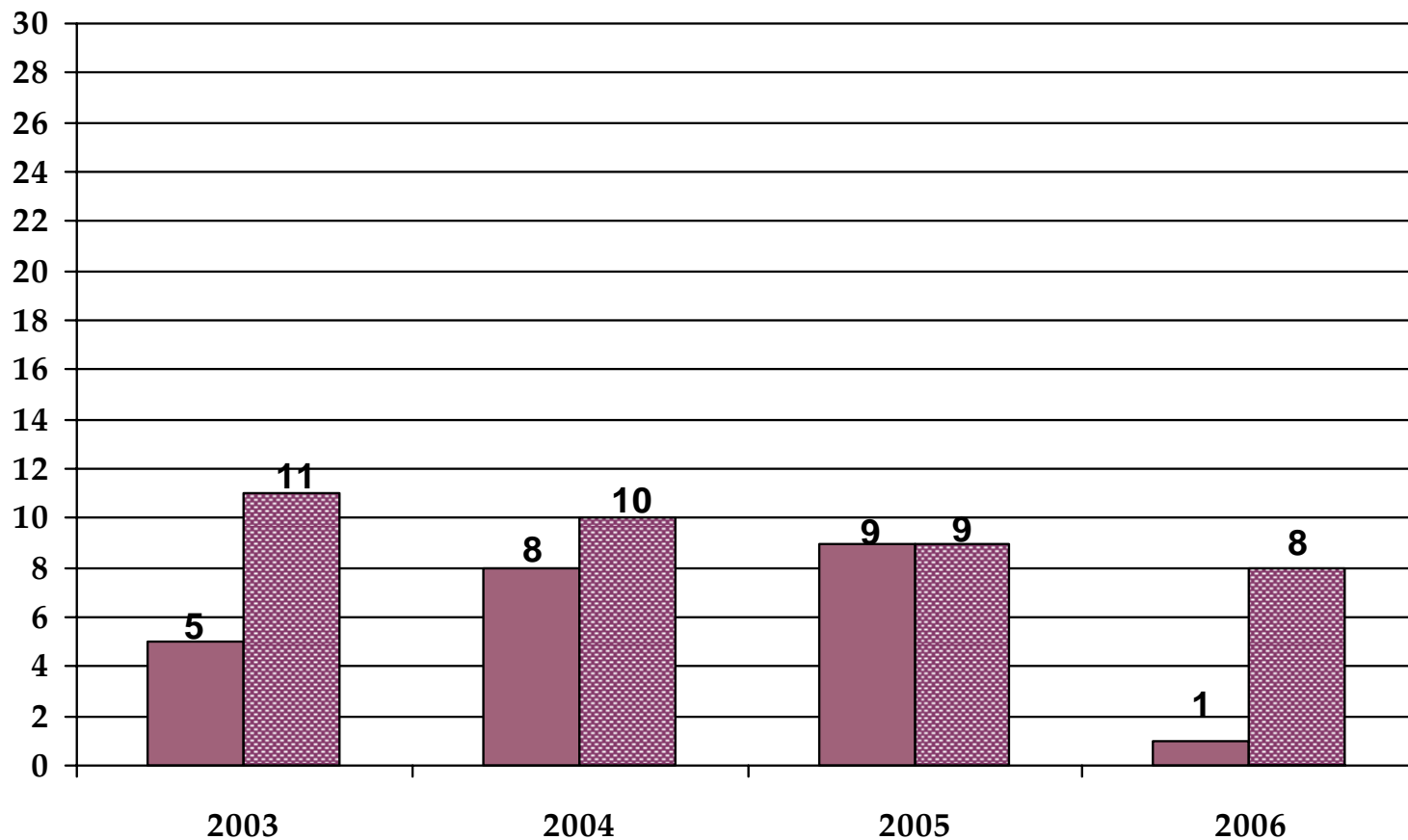


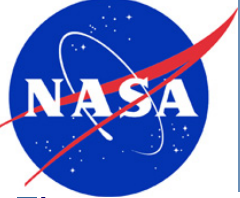
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OSHA Recordable Workplace Injuries for Civil Service & Contractors Fiscal Years 2003 – 2006

OSHA: Doctor Treatment Required (Lost Time = Full Work Day Missed Beyond Injury Date at Doctor's Direction)

Civil Service **Contractors**



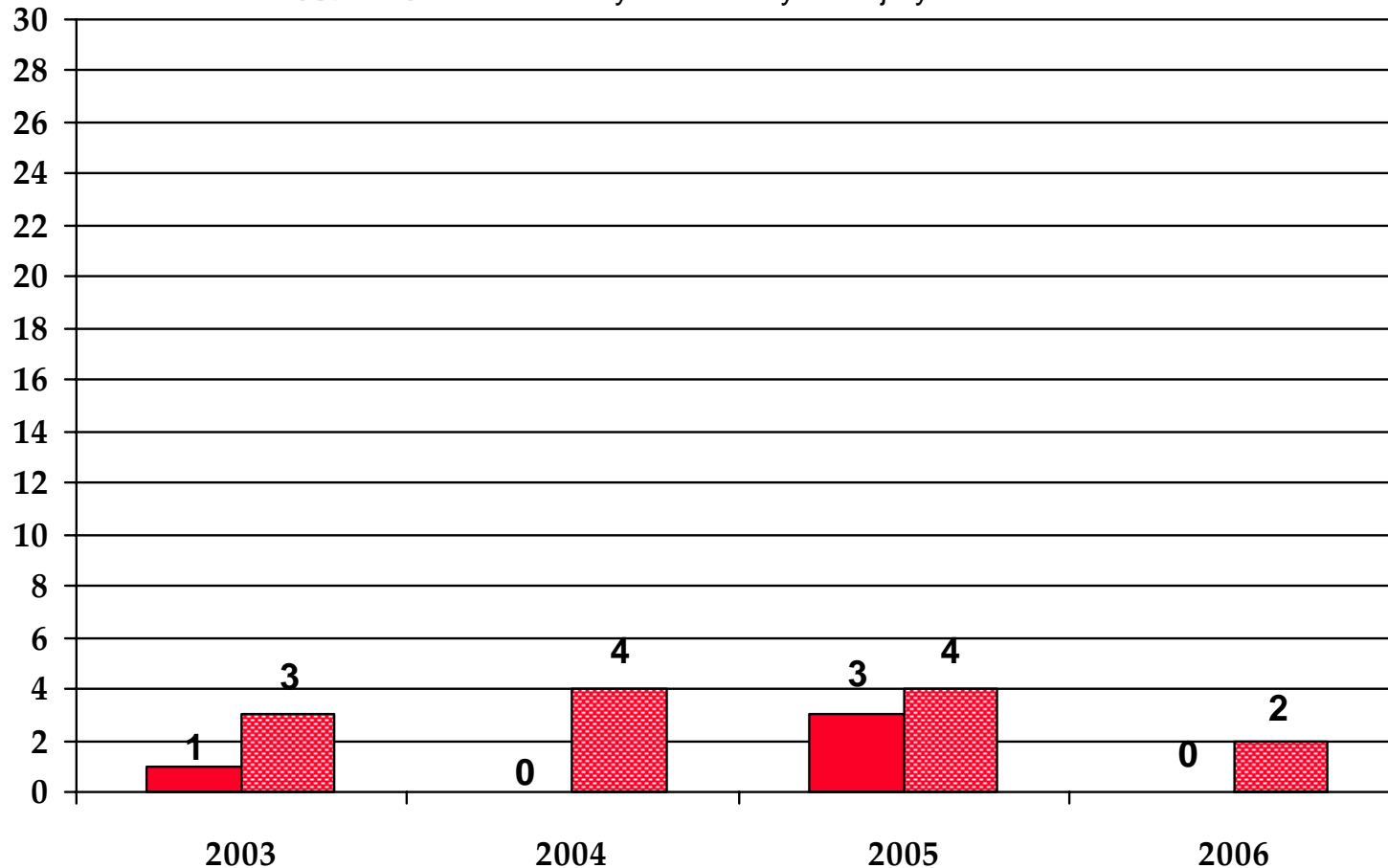


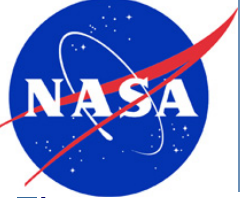
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Lost Time Workplace Injuries for Civil Service & Contractors Fiscal Years 2003 – 2006

■ Civil Service ■ Contractors

Lost Time: Full Work Day Missed Beyond Injury Date at Doctor's Direction

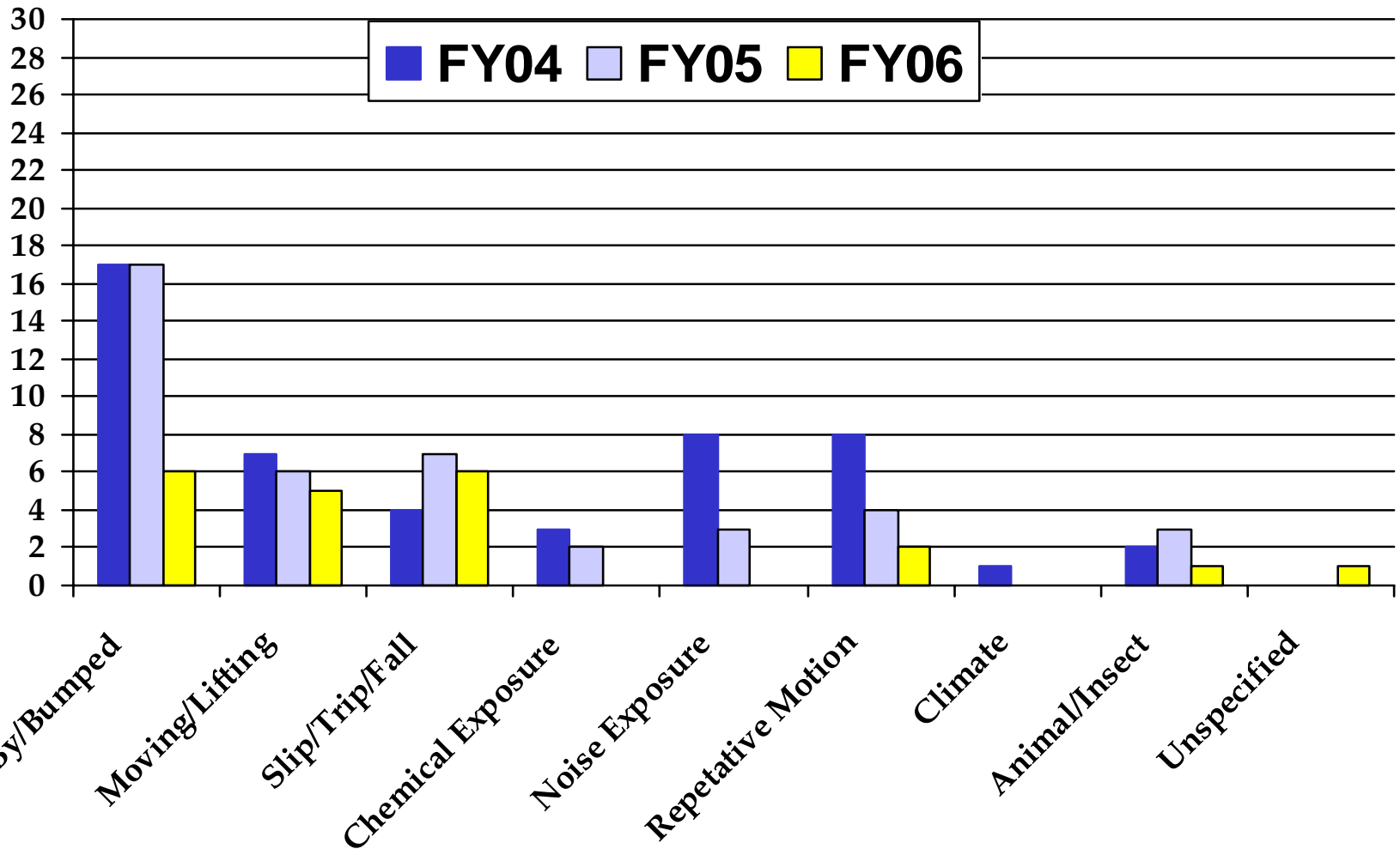


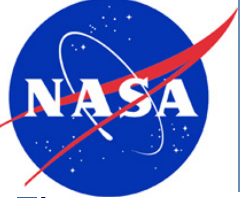


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Total Number of Injuries for Civil Service & Contractors by Cause (First Aid, OSHA Recordable) Fiscal Years 2004-2003 by Cause of Injury

First Aid: Minor Injuries **OSHA:** Doctor Treatment Required (Lost Time = Full Work Day Missed Beyond Injury Date)

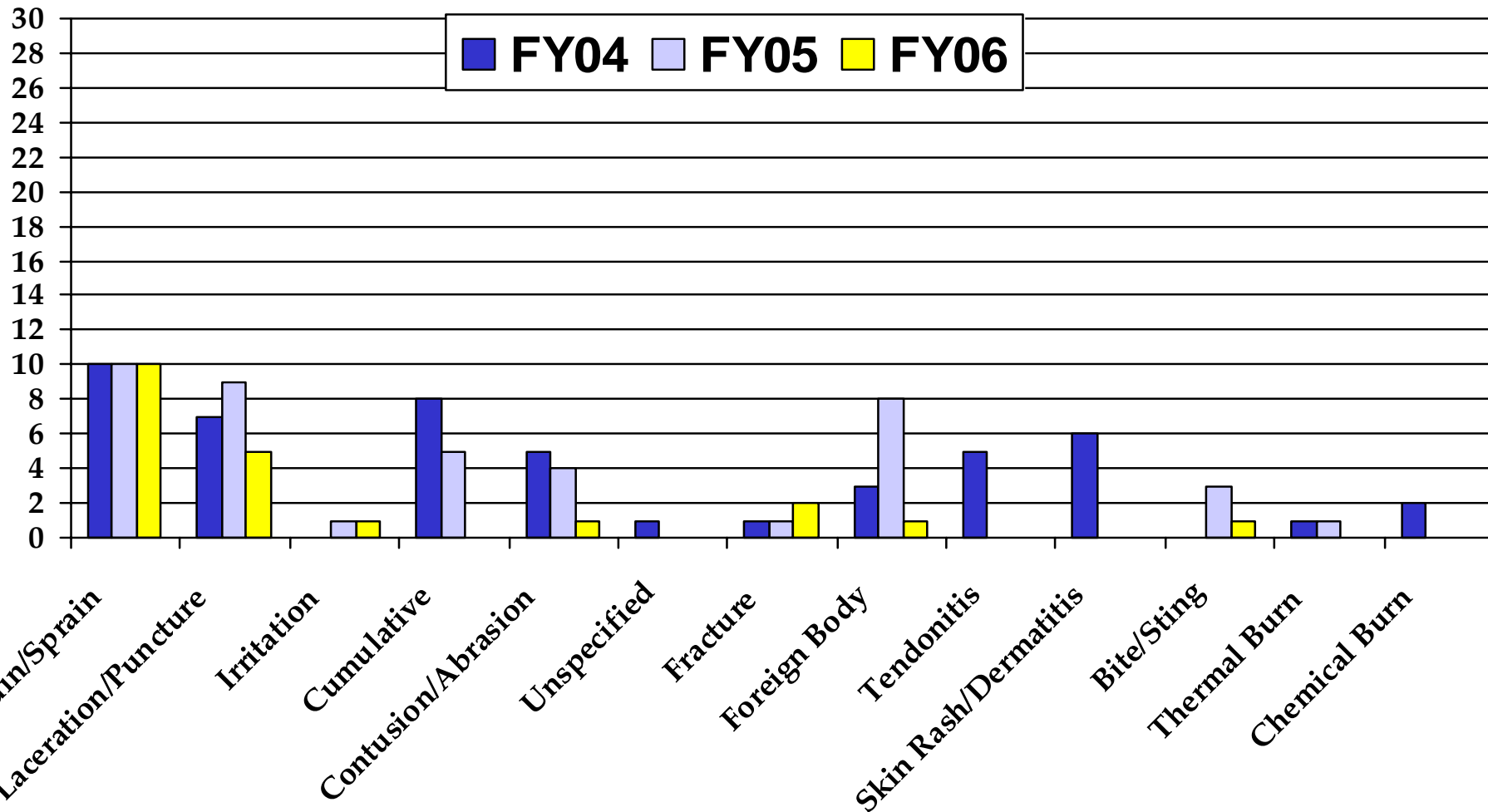


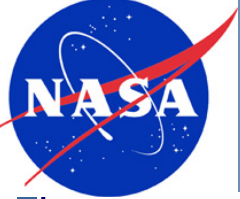


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Total Number of Injuries for Civil Service & Contractors by Effect (First Aid, OSHA Recordable) Fiscal Years 2004-2006 by Injury Type

First Aid: Minor Injuries **OSHA:** Doctor Treatment Required (Lost Time = Full Work Day Missed Beyond Injury Date)

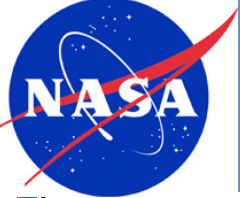




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Challenges

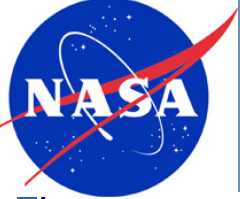
- Pressure to Reduce Overhead Programs
- Working Towards President's Mission Goals
- Net Loss of Contract and Civil Service Positions
- Concerned About Potential Future Cuts to CMO Account



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Challenges

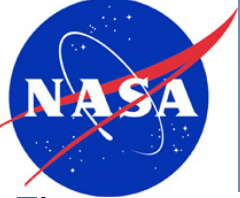
- Supporting the Mission of Flight Research Under Expanding Requirements and Shrinking Resources
 - Orion Launch Abort Flight Tests
 - SOFIA
 - Ikhana
 - Global Hawk
 - Blended Wing Body
 - ARMD, SMD, and ESMD Projects
 - Continuing as Alternate Shuttle Landing Site
 - No Shortage of Work



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Successes

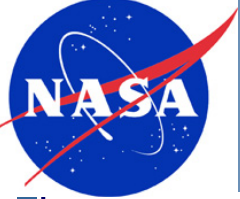
- Teaming with Facilities Organization → Seven Years w/o Construction Lost Time Accident
- Contractor Lost Time Accident Rate Decreased After Replacing the “Outlier”
- ChemSecure/RF ID Patent Application
- Safety Days 2007



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Successes - Safety Days

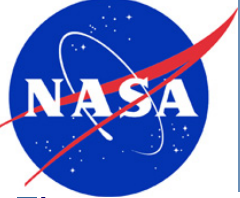
- No Fly Days Typically Held in January
- Awareness and Competence Training for Entire Center
- Collaborative Effort Between Dryden Safety Council and Aviation Safety Council
- Safety Days 2007 Training Targeted Three Specific Areas
 - Institutional Requirements
 - Flight Operations
 - General Population
- Kudos Given at the Administrator's VITS by Bryan O'Connor (Pam Richardson Attended Safety Days 2007 and Bryan is a Previous Guest Speaker)



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Safety Days - Institutional Training

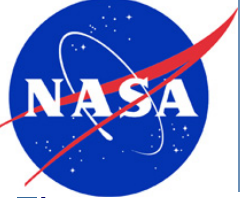
- Institutional Training Offered to Meet OSHA Training Requirements
- Employees Who Attended Institutional Training During Safety Days are Compliant and/or Certified to Safely Perform Daily Job Duties



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Safety Days - Flight Operations Training

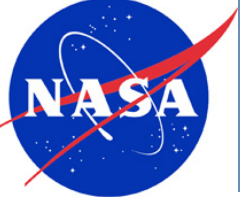
- Flight Operations Employees Who Attended the Training Were Exposed to Elements that Can Be Applied to Current Projects
- Sessions Included:
 - Gene Hudson “Myth of the Fearless Aviator”
 - Bob Baron “Current Trends in Aviation Human Factors”
 - Tom McDonald “V-22 Osprey Lessons Learned”



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Safety Days - General Population Training

- The General Population is Any Employee Who was Not Targeted for Flight Operations Specific Training or Institutional Training
- Sessions Included:
 - John Drebinger “Safety, The Team Approach”
 - Airline Travel Safety “Survival Factors”
 - Fire Loss Recovery “If I Only Knew”
 - Danny McKeever “Defensive/High Performance Driving”
 - Operational Lifesaver “Railroad Crossing Safety”
 - LAFD Captain Scott Polgar “Personal Fire Safety”

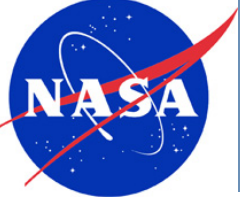


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Safety Innovations-Live Fire Simulator

- Easy to Set Up
- Fueled by Propane
- Generates no Hazardous Waste
- Effective Hands on Training Aid



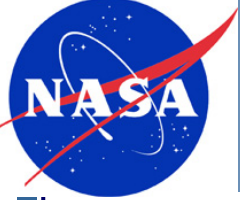


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Safety Innovations-Live Fire Simulator

- Remote Control of Flame to Ensure Personnel Safety
- Rapid Cycling of Class Participants
- Cuts Live Fire Training Time by 70%
- www.ftsfire.com/products_tutor.htm





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Questions/Comments?